

ABSTRACT***JAPANESE MACAQUE HERPESVIRUS NUCLEIC ACID AND
POLYPEPTIDE SEQUENCES AND THEIR USE***

Japanese macaques can harbor a virus related to RRV, called Japanese macaque herpesvirus (JMHV). An isolated virus is disclosed herein (Japanese macaque herpesvirus, JMHV) as deposited with ATCC as Deposit Accession No. PTA-1884, deposited May 18, 2000, as are viral particles including this virus and host cells infected with this virus. The entire nucleic acids sequence of this virus is provided herein. Also disclosed are the nucleic acid sequences of unique open reading frames, and the polypeptide sequences encoded by these open reading frames. Pharmaceutical compositions are also disclosed that include the viral nucleic acid, a polypeptide encoded by the viral nucleic acid, an antibody that binds the JMHV polypeptide, or a polynucleotide encoding at least one JMHV polypeptide. Model systems for screening for agents of use in the treatment of MS are also disclosed.